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Dated: September 1, 2005

Signature: Denise Kacinski  
(Denise Kacinski)

Docket No.: 62031(51588)  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
J. Keith Joung et al.

Application No.: 10/532,258

Confirmation No.: Unknown

Filed: April 21, 2005

Art Unit: N/A

For: CONTEXT SENSITIVE PARALLEL  
OPTIMIZATION OF ZINC FINGER DNA  
BINDING DOMAINS

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be

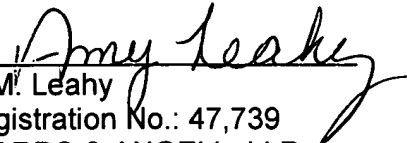
an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1105, under Order No. 62031(51588). A duplicate copy of this paper is enclosed.

Dated: September 1, 2005

Respectfully submitted,

By   
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PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
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Substitute for form 1449A/B/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			Application Number	10/532,258	
			Filing Date	April 21, 2005	
			First Named Inventor	J. K. Joung	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	62031(51588)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-6,511,808	01/28/2003	Wolffe et al.	
	AB	US-6,503,717	01/07/2003	Case et al.	
	AC	US-6,492,117	12/10/2002	Choo et al.	
	AD	US-20020164575	11/07/2002	Case et al.	
	AE	US-20020160940	10/31/2002	Case et al.	
	AF	US-6,453,242	09/17/2002	Eisenberg et al.	
	AG	US-6,270,990	08/07/2001	Anderson et al.	
	AH	US-6,140,466	10/31/2000	Barbas, III et al.	
	AI	US-6,007,988	12/28/1999	Choo et al.	
	AJ	US-5,935,811	08/10/1999	Anderson et al.	
	AK	US-5,789,538	08/04/1998	Rebar et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	EP 1,120,446	08/01/2001	Aventis Pharma S.A.		
	BB	WO 02/097092	12/05/2002	Garvan Inst. Of Medical Res.		
	BC	WO 96/27665	09/12/1996	California Institute of Tech.		
	BD	WO 99/41396	08/19/1999	Rhone-Poulenc Rorer S.A.		
	BE	WO 02/083929	10/24/2002	Clontech Labs, Inc.		
	BF	WO 02/44326	06/06/2002	Stratagene		
	BG	WO 99/07389	02/18/1999	Lexicon Genetics Inc.		
	BH	WO 02/26960	04/02/2002	Sangamo Biosciences, Inc.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	WOLFE et al. "Combining structure-based design with phage display to create new Cys <sub>2</sub> His <sub>2</sub> Zinc finger dimers." Structure (2000) 8(7): 739-750	
	CB	WANG et al. "Dimerization of zinc fingers mediated by peptides evolved in vitro from radiation sequences." Proc. Natl. Acad. Sci USA (1999) 96, 9568-9573	
	CC	SUGIURA "Natural and artificial zinc finger proteins." Riken Review (2001), 35: 102-103	
	CD	SEGAL et al. "Evaluation of a modular strategy for the construction of novel polydactyl zinc finger DNA-binding proteins." Biochemistry (2003) 42(7) 2137-2148	
	CE	CHONG et al. "REST: A mammalian silencer protein that restricts sodium channel gene expression to neurons." Cell (1995) 80, 949-957	
	CF	REBAR et al. Induction of angiogenesis in a mouse model using engineered transcription factors." Nature Medicine (2002) 8(12) 1427-1432	

Examiner Signature	Date Considered
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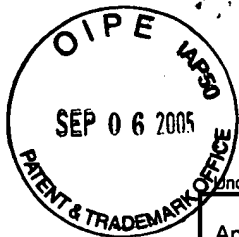
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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
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Sheet	2	of	1		

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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IDS (Citation) by Applicant (25 References) (1 page)  
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